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# Antenna Reports

Main Antenna vendor: Motorola

Test lab: Motorola internal lab (by GTS RayZone2800)

Antenna model name: Midframe

Issue date: 2023/02/16

A handwritten signature in black ink on a light yellow rectangular background. The signature is written in a cursive style and reads "Lu Kai".

**Signature: Lu Kai**

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**Antenna Summary Table**

| Check items                       | Information                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Provided by lab                   | Motorola internal lab (GTS)                                                                                                                                                                                                                                                                                                     |
| Manufacturer/ Brand name          | Motorola                                                                                                                                                                                                                                                                                                                        |
| Test software                     | MaxSign Libra                                                                                                                                                                                                                                                                                                                   |
| Manufacturer address              | 222 W,Merchandise Mart Plaza, Chicago IL 60654 USA                                                                                                                                                                                                                                                                              |
| Test environment                  | Motorola Beijing RD team Lab with GTS2800 chamber                                                                                                                                                                                                                                                                               |
| Test software                     | MaxSign Libra                                                                                                                                                                                                                                                                                                                   |
| List of calibrated test equipment | GTS2800 with calibrated date: On August 9,2022                                                                                                                                                                                                                                                                                  |
| Antenna detail info.              | ANT3: WiFi2.4G antenna (2.4~2.5GHz), IFA type antenna.<br>ANT4:WiFi 5G antenna(5.15~5.85GHz), IFA type.<br>ANT5: WiFi 5G antenna(5.15~5.85GHz), IFA antenna.<br>ANT6:WiFi 2.4G antenna (2.4~2.5GHz), IFA antenna.<br>NFC Antenna: Differential port to excite FPC coil + Ferrite sheet with dimension 35.5 mm *23.25mm * 0.23mm |
| Antenna gain test data            | Included antenna frequency, gain pattern                                                                                                                                                                                                                                                                                        |

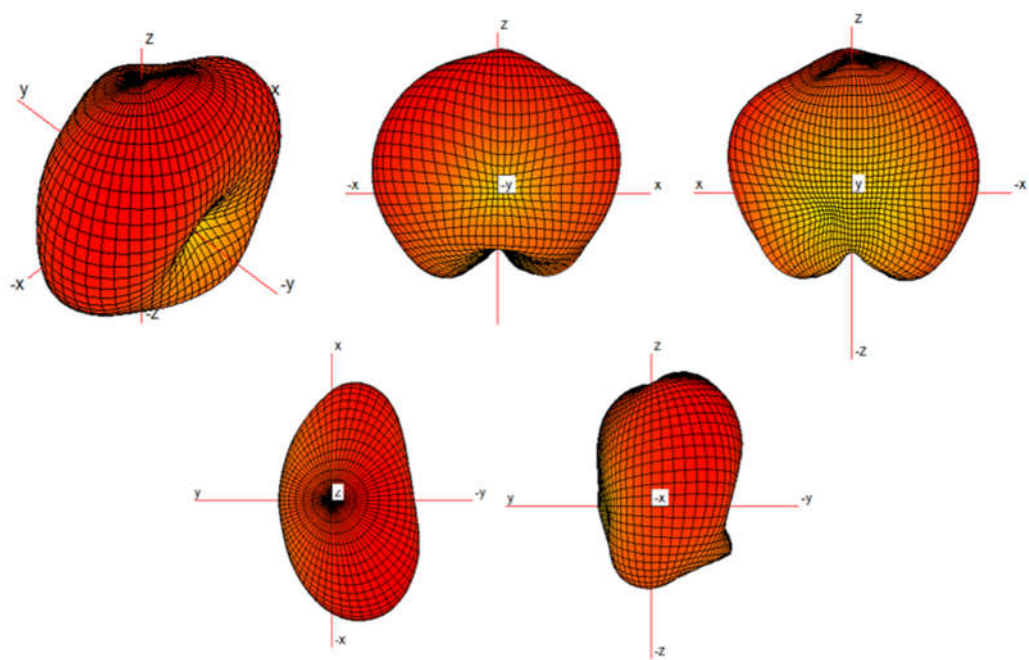
Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.

Antenna Test data:

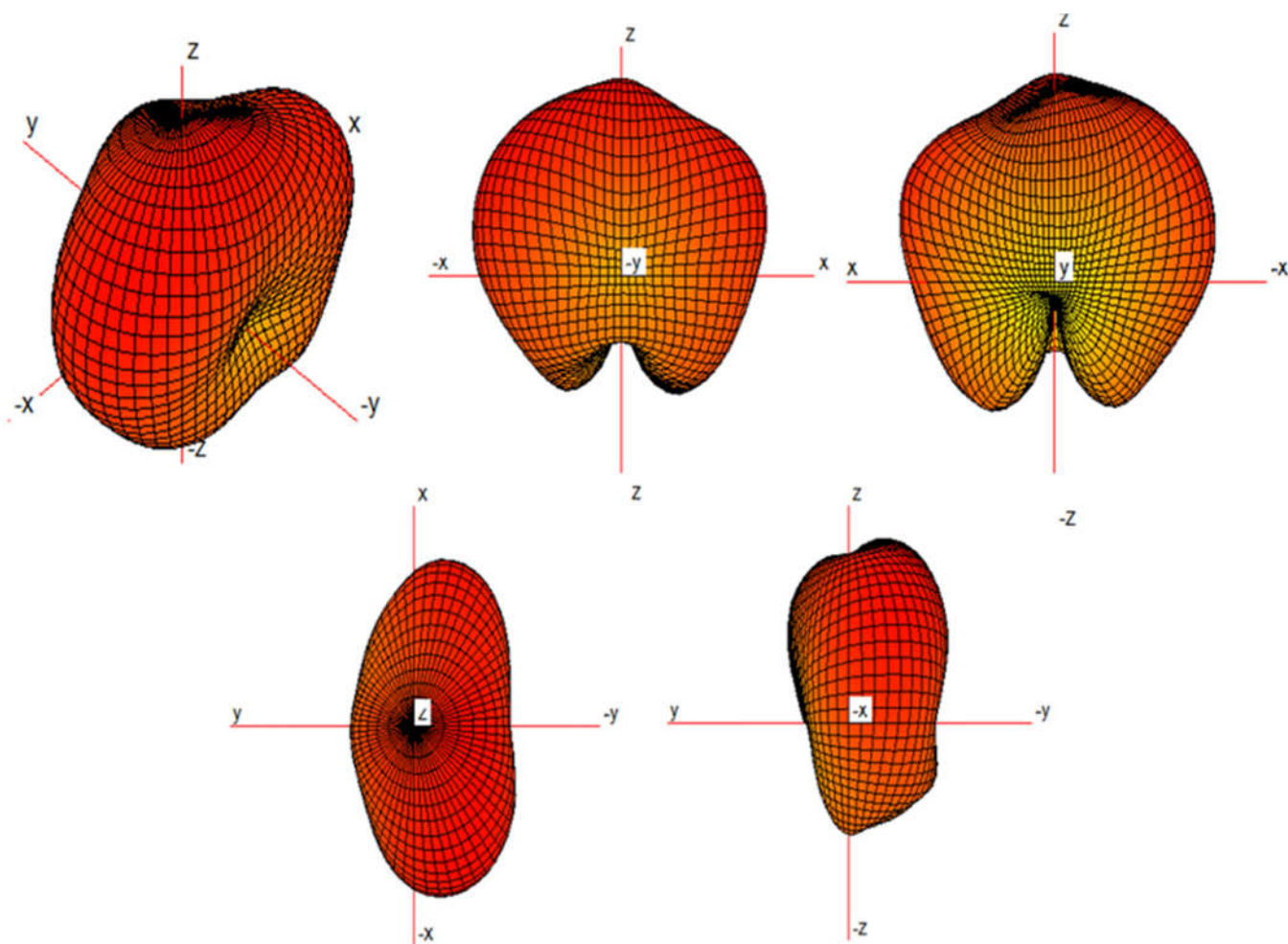
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type /Gian 2.4G | <p>&lt;2400MHz~2483.5MHz&gt;</p> <p>&lt;Ant3&gt;: IFA Antenna with gain: -6 dBi</p> <p>&lt;Ant6&gt;: IFA Antenna with gain: -6 dBi</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Antenna Type /Gian 5G   | <p>&lt;5150MHz~5250MHz&gt;</p> <p>&lt;Ant4&gt;: IFA Antenna with gain: -3 dBi</p> <p>&lt;Ant5&gt;: IFA Antenna with gain: -3 dBi</p> <p>&lt;5250MHz~5350MHz&gt;</p> <p>&lt;Ant4&gt;: IFA Antenna with gain: -5.5 dBi</p> <p>&lt;Ant5&gt;: IFA Antenna with gain: -5.5 dBi</p> <p>&lt;5470MHz~5725MHz&gt;</p> <p>&lt;Ant4&gt;: IFA Antenna with gain: -5.5 dBi</p> <p>&lt;Ant5&gt;: IFA Antenna with gain: -5.5 dBi</p> <p>&lt;5725MHz~5850MHz&gt;</p> <p>&lt;Ant4&gt;: IFA Antenna with gain: -9 dBi</p> <p>&lt;Ant5&gt;: IFA Antenna with gain: -9 dBi</p> |

ANT6- WiFi 2.4G CH0

2420MHz

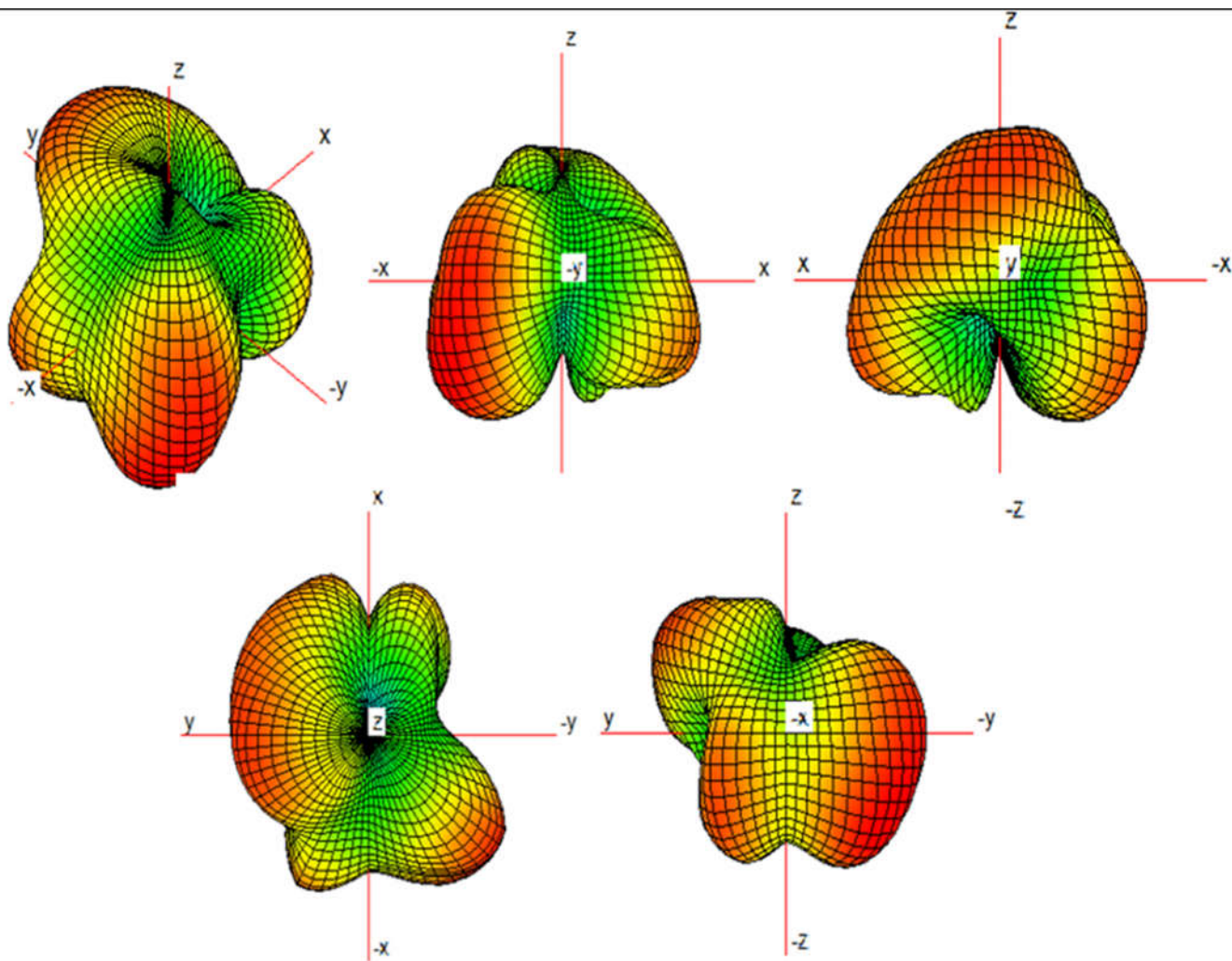


2450MHz

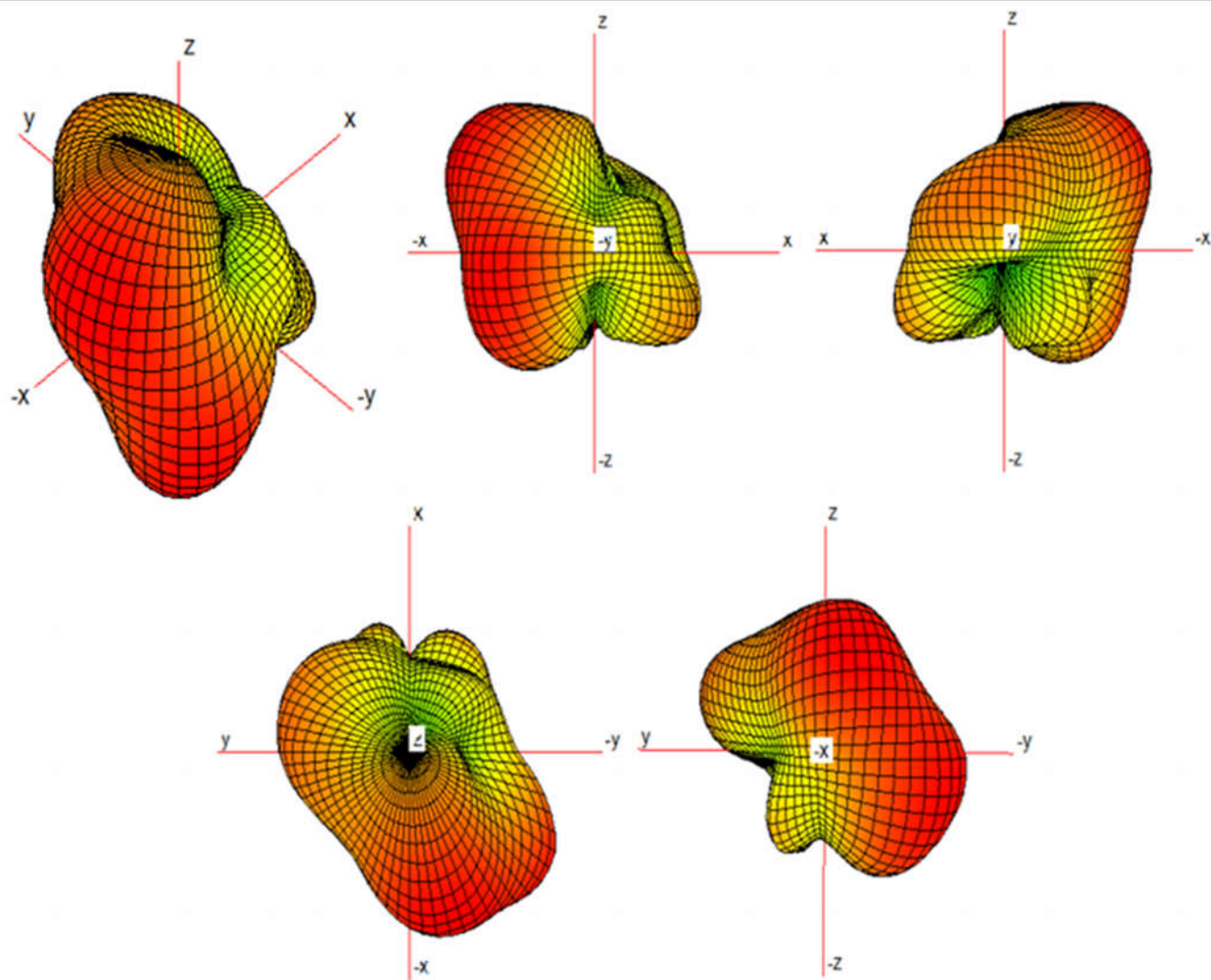


ANT4-WIFI 5G CH0

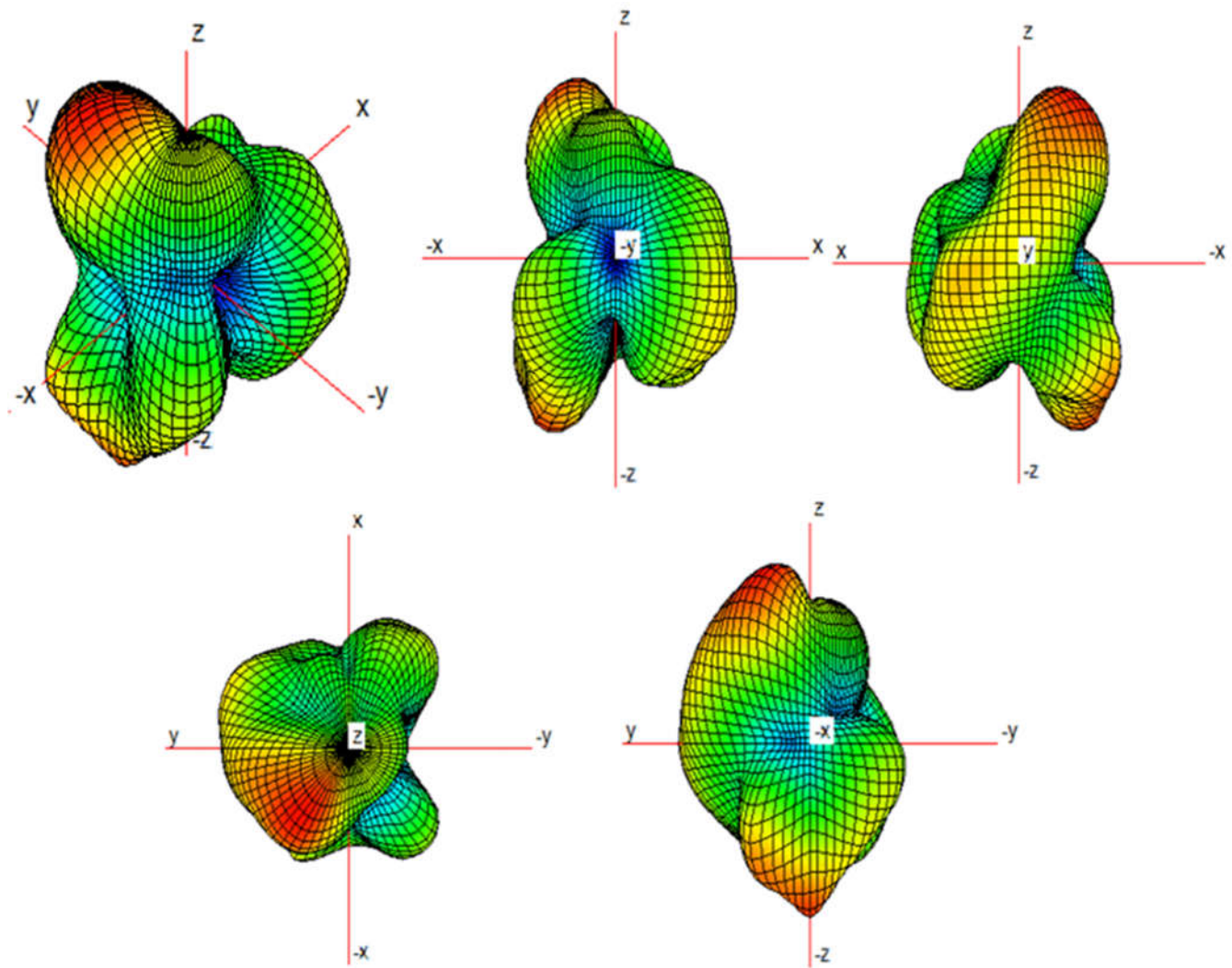
5280MHz



5500MHz

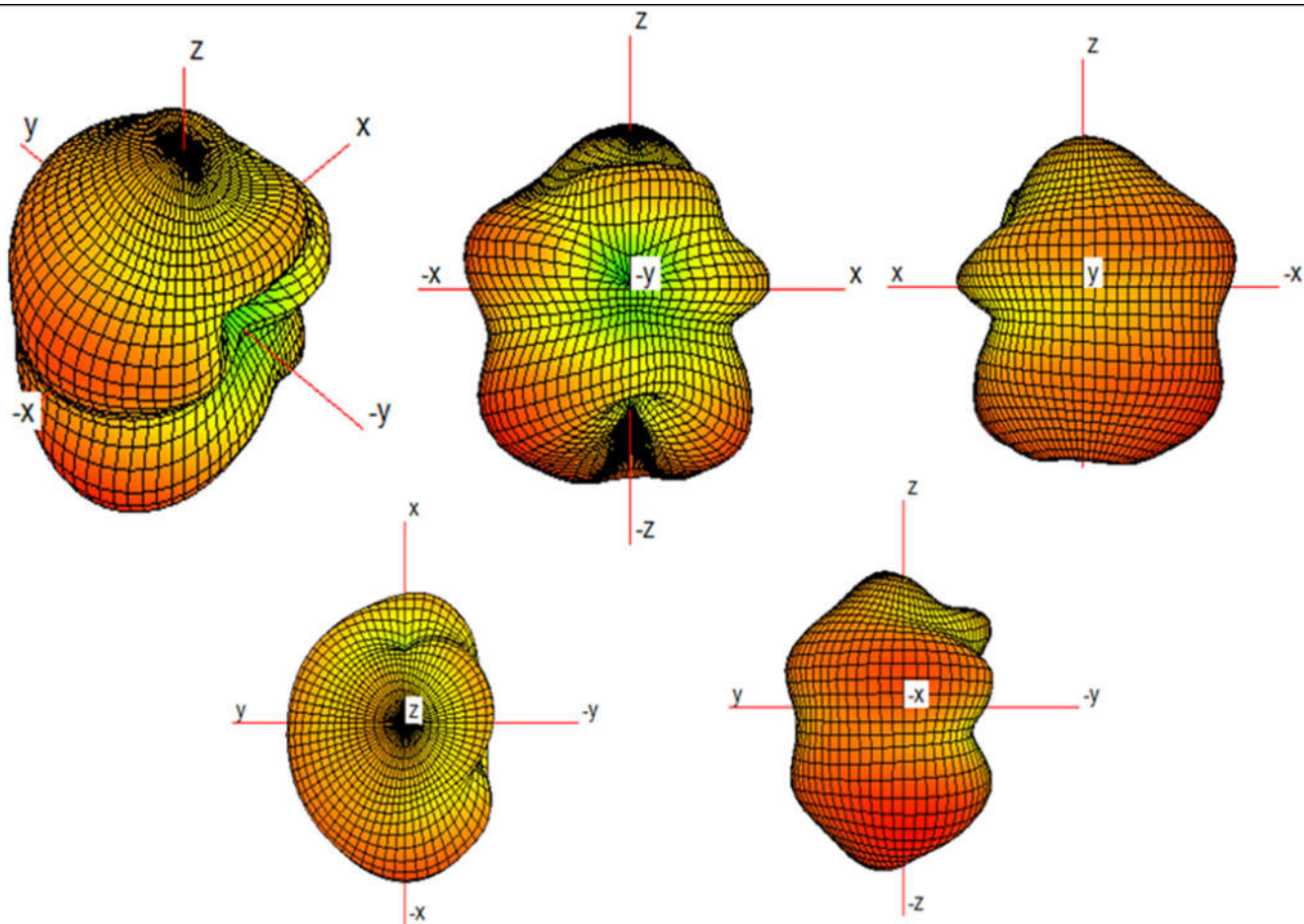


5780MHz

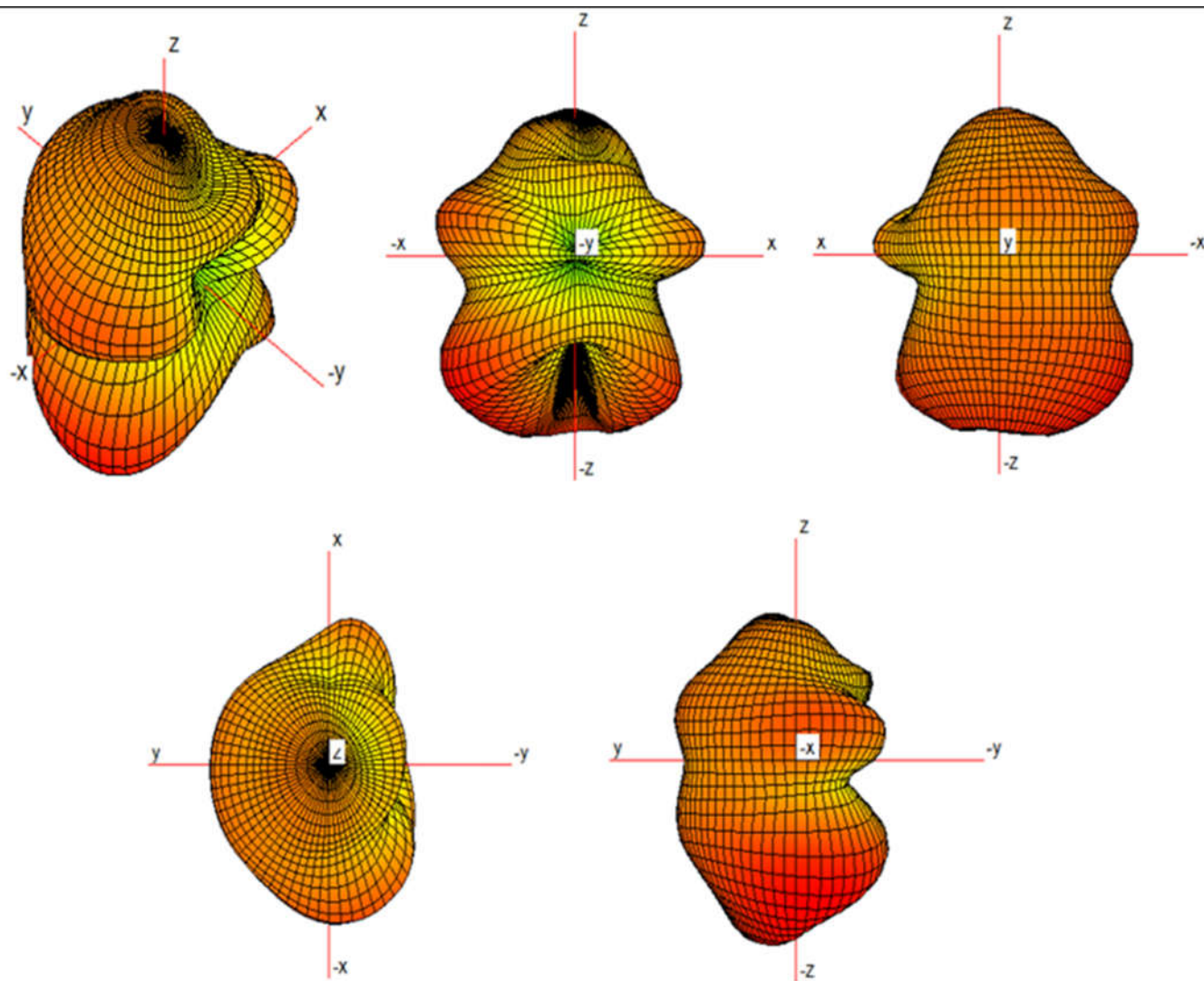


**ANT3- WiFi 2.4G CH1**

**2420MHz**

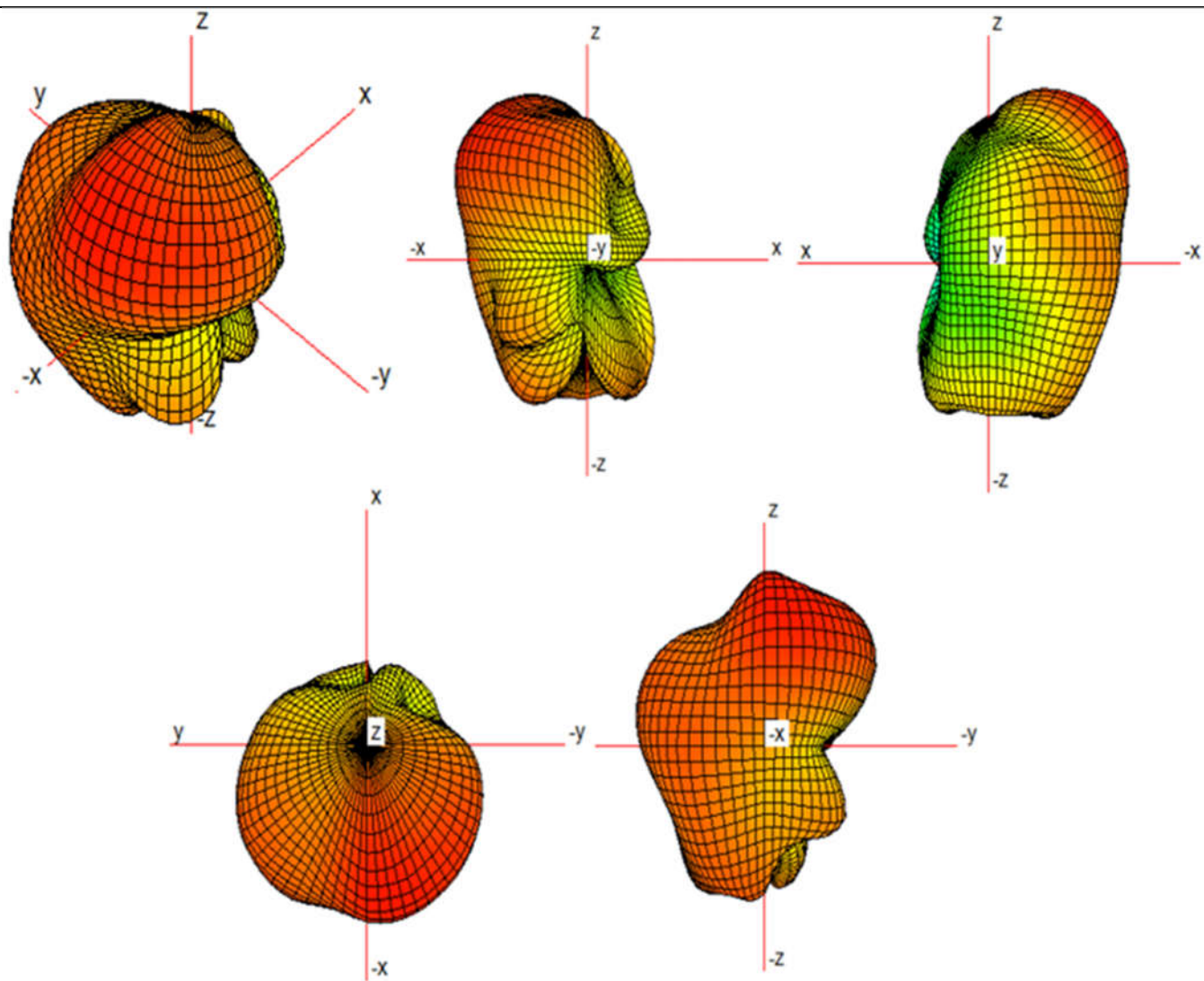


2450MHz

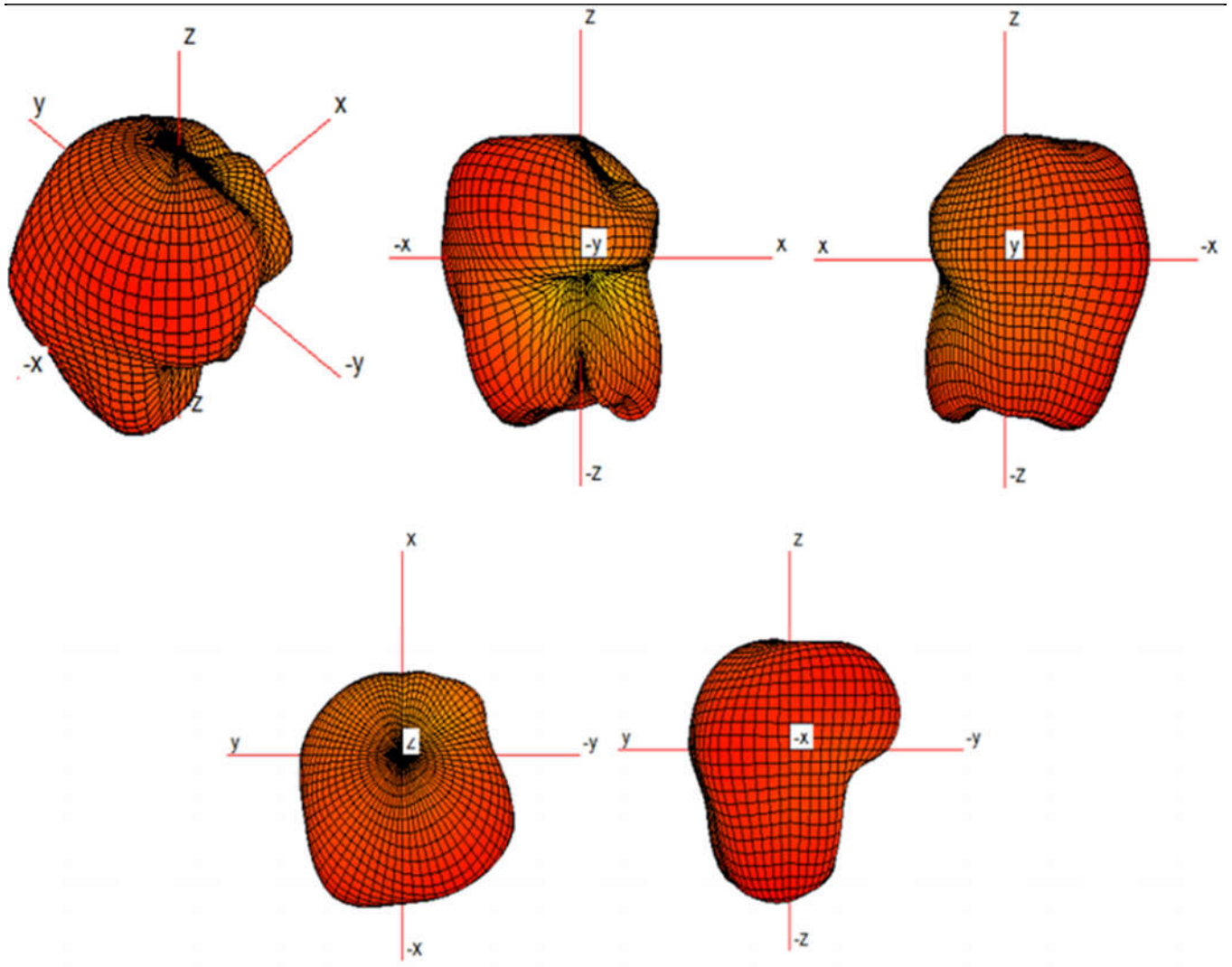


**ANT5- WiFi 5G CH1**

**5280MHz**



5500MHz



5780MHz

